

NSLS Job Risk Assessment

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Name(s) of Risk Team Members: F. Zafonte, N. Gmür, R. Greene	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Radiation Generating Devices Job Number or Job Identifier: LS-JRA-0041	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Use and operation of radiation generating devices (RGDs)	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training and Procedure List (Optional):	Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: A. Ackerman Date: 9/27/07 Rev. #: 1 Revision Log						
Stressors (if applicable, please list all):		Reason for Revision (if applicable):			Comments:	

		Before Controls							After Initial Controls						After Additional Controls					
Job Step / Task	Hazard	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Initial Controls	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction

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Job Step / Task	Hazard	Before Controls						Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls					
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Inserting or removing samples	Radiation exposure	N	1	2	2	3	12	Shielding, enclosure, interlocks, radiation postings, procedures, training, RGD Subject Area, Dosimetry, RadCon Manual	1	2	1	1	2							
Operation of device	Radiation exposure	N	1	2	3	3	18	Shielding, enclosure, interlocks, radiation postings, procedures, training, RGD Subject Area, Dosimetry, RadCon Manual	1	2	1	2	4							
	Electrical shock	N	1	2	5	3	30	LOTO, training,PPE, procedures, interlocks	1	2	2	2	8							

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Job Step / Task	Hazard	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Initial Controls	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Maintenance/ Alignment	Radiation exposure	N	1	2	3	3	18	Shielding, enclosure, interlocks, radiation postings, Dosimetry, procedures, training, RGD Subject Area, Work Planning and Control Documents	1	2	1	1	2							
	Electrical Shock	N	1	2	5	3	30	LOTO, training,PPE, procedures, interlocks	1	2	2	2	8							
Further Description of Controls Added to Reduce Risk:																				
*Risk:	0 to 20 Negligible	21 to 40 Acceptable						41 to 60 Moderate			61 to 80 Substantial			81 or greater Intolerable						